

Specifications



MEASUREMENT RANGE

Spherical power (SPH)	+/- 25 D
Cylindrical power (CYL)	+/- 10 D
Axial angle (AXIS)	0° to 180°
Additional power	0 to +10 D
Prism power	0 to 20 Δ

MEASUREMENT INCREMENT

Dioptre	0.01/0.06/0.12/0.25 D
Prism	0.01/0.06/0.12/0.25 Δ

MEASUREMENT PARAMETERS

Wave length	525 nm, e-line 546.07 nm, d-line 587.56 nm
Transmittance of UV light	400 nm
Transmittance of blue light	420 nm
Abbe value	30 to 60
Diameter of the lens	5 to 120 mm
Pupillary distance	45 to 90 mm (TL-7100 only)

HARDWARE PARAMETERS

Display	7.0" TFT colour touch LCD
Printer	Thermal printer
Output	RS-232C, WiFi (TL-7100 only)

DIMENSIONS AND ELECTRICAL REQUIREMENTS

Dimensions WDH	198 x 245 x 420 mm
Weight	approx. 5 kg
Voltage	AC 100V to 240V
Frequency	50/60 Hz
Power consumption	35 to 55 VA

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TL-6100/ TL-7100

Automated Lensmeter



You + eye.
We care.

TL-6100/ TL-7100 Automated Lensmeter

The automated lensmeters TL-6100 and TL-7100 accurately measure the power of optical lenses and rigid contact lenses using Shack-Hartmann wavefront sensor technology. UV light and blue light transmittance can be also determined at defined wavelengths.



"LENSMETERS ARE THE MOST BASIC AND AT THE SAME TIME THE MOST INDISPENSABLE PRODUCT FOR OPTICIANS. WE ARE HAPPY TO HAVE THEM IN OUR PORTFOLIO."

Kathrin Seybold

PRODUCT MANAGER,
OPHTHALMIC OPTICS & OPTOMETRY

+ Shack-Hartmann Wavefront Sensor (SHWFS) technology

145 measurement points combined with an algorithm that compensates for light loss delivers accurate measurement values. There is also the option to select the wavelength of e-line or d-line and to choose Abbe compensation.

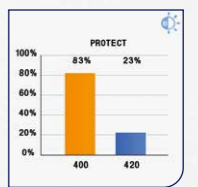
+ Automatic lens detection and automated measurement

The TL-6100/TL-7100 detects the lens type and identifies the optical centre of the lens with visual markings. The measurement is then automatically performed by the lensmeter.



+ Measurement of UV and blue light transmittance

The percentage of transmitted UV or blue light can be visualized in a figure or bar graph.



+ Integrated lens marking tool

With the universal lens marking tool, you can accurately mark the optical centre of lenses with any type of coating.

+ 7" LCD touch screen with tilting function

The LCD touch screen and easy-to-use interface ensure easy use of the lensmeter. Thanks to the tilt function, the screen can be adjusted to the individual preferences of the operator.

+ Contact lens power measurement

Determine the power of rigid contact lenses with the CL nosepiece provided.